E.L.M.O. SPA

CE 0682

REFERRING TO THE GSM
BGS2-E MODULE USED

GSM

GSM/GPRS module with internal antenna

mod. MDGSMI

TECHNICAL MANUAL

090060872

WARNING

FOR THE INSTALLER:
Please follow carefully the specifications relative to electric and security systems realization further to the manufacturer's prescriptions indicated in the manual provided.
Provide the user the necessary indication for use and system's limitations, specifying that there exist precise specifications and different safety performances levels that should be proportioned to the user needs. Have the user view the directions indicated in this document.

FOR THE USER:
Periodically check carefully the system functionality making sure all enabling and disabling operations were made correctly.
Have skilled personnel make the periodic system's maintenance. Contact the installer to verify correct system operation in case its conditions have changed (e.g.: variations in the areas to protect due to extension, change of the access modes, etc…)

.....

This device has been projected, assembled and tested with the maximum care, adopting control procedures in accordance with the laws in force. The full correspondence to the functional characteristics is given exclusively when it is used for the purpose it was projected for, which is as follows:

GSM/GPRS module with internal antenna

Any use outside of this area is not provided and it is not possible to guarantee its proper operation, and therefore it is expressly forbidden to the holder of this manual to use it for other reasons than those indicated.
The manufacturing process is carefully controlled to prevent defects and malfunctions; nevertheless the components used is subjected to faults extremely low percentage, as indeed it does for every other electronic or mechanical.
Given the target of this article (property and persons protection) invite the user to proportion the protection level offered by the system to the actual risk (considering the possibility that the system it is operating in degraded mode due to faults or other), reminding that there are clear rules for the design and construction of equipment to this type of application.

The system's operator is hereby advised to see regularly to the periodic maintenance of the system, at least in accordance with the provisions of current legislation, as well as to carry out checks on the correct running of said system on as regular a basis as the risk involved requires, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. The user must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.

Design, installation and servicing of systems which include this product, should be made by skilled staff with the necessary knowledge to operate in safe conditions in order to prevent accidents. These systems' installation must be made in accordance with the laws in force. Some equipment's inner parts are connected to electric main and therefore electrocution may occur if servicing was made before switching off the main and emergency power. Some products incorporate rechargeable or non rechargeable batteries as emergency power supply. Their wrong connection may damage the product, properties and the operator's safety (burst and fire).

Your dealer:

1. GENERALS

The MDGSMI module is designed for VILLEGGIO control units and other devices admittedly compatible.
It is equipped with the following features:

- **It allows the connection from and to the control unit through the GSM mobile network.**
- **GSM/GPRS Dual-Band device.**
- **The module is equipped with internal antenna.**
- **It allows to send voice alarm messages or SMS.**
- **It allows the control unit command via landline or mobile phone.**
- **It allows the control unit's control via SMS**
- **It allows the remote control in data mode.**
- **It allows the remote environmental listening**
- **Allows the use of e- Connect service only for control units compatible.**

2. FEATURES

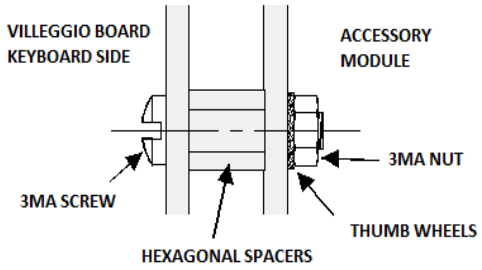
Model:	MDGSMI
Power supply:	DC12V
Power consumption:	11mA quiescent state, 110mA maximum in voice transmission. 220mA maximum GPRS transmission.
Connections to the base board:	connector to multipolar miniaturized pan.
Antenna:	connected to the module with a not be extended cable, to be installed according to the VILLEGGIO or compatible control unit instructions. In case is required an external antenna is necessary the MDGSME module.
Installation:	plug with fixing clips.
Operative views:	the LED on the visible surface has the following operation: Quick flashing: ON module but not registered on mobile network Slow flashing: ON module and registered on mobile network. ON: On module with ongoing transmission.
Dimensions:	W 63 x H 48 x D 14 mm.
Weight:	30 g.
Parts supplied:	Nylon clips for fixing, kit with hexagonal and spacers screws nuts, see note in installation chapter, technical manual
Certifications:	the module is an apparatus accessory with CE certification. It is used with a BGS2-E module with CE 0682 marking.

.

3. INSTALLATION

To install the module follow the instructions and warnings contained in the VILLEGGIO or compatible control units technical manual.

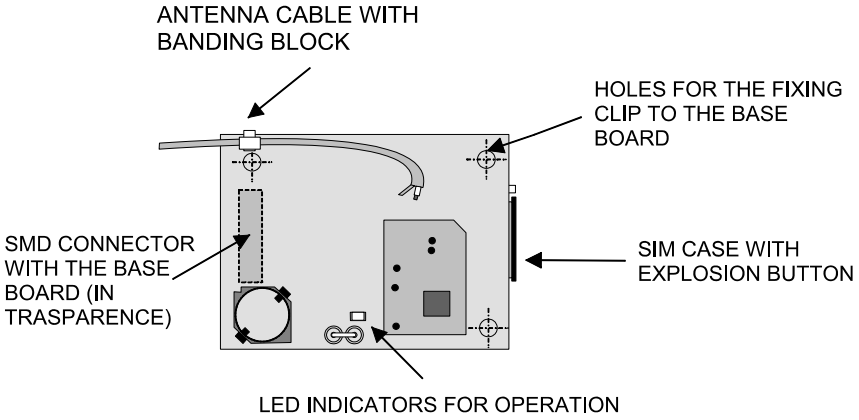
Note: to use the VILLEGGIO control units on vehicles, it is necessary to fix the accessories module/s with kit with screws, hexagonal nuts and spacers instead of the standard Nylon clips.



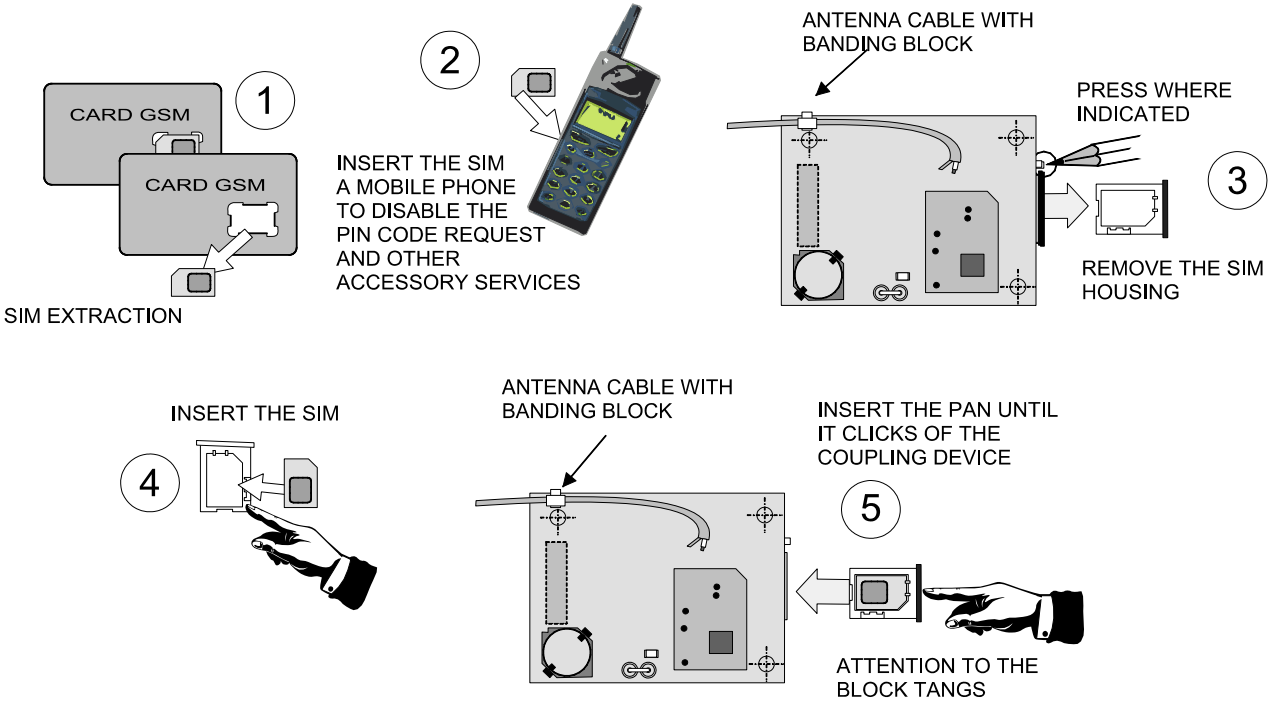
ATTENTION: the 3MA nut should be tightened vigorously to ensure the thumb wheels tightness.

The module installed in the control unit (VILLEGGIO) must be supported by an appropriate firmware and software and registered by the installer menu.

Board viewing:.


ANTENNA CABLE WITH BANDING BLOCK
HOLES FOR THE FIXING CLIP TO THE BASE BOARD
SMD CONNECTOR WITH THE BASE BOARD (IN TRASPARENCE)
SIM CASE WITH EXPLOSION BUTTON
LED INDICATORS FOR OPERATION

Preliminary settings required for the SIM card board.



4. DISPOSAL INSTRUCTIONS

Dispose of MDGSMI in compliance with current city regulations and by leaving the device in a dumping ground which is authorized for the disposal of electronic products; if required, please contact the appropriate city office for additional information.

The material used for this product is very harmful and polluting if dispersed in the environment.

5. INDEX

1. GENERALS **3**
2. FEATURES **3**
3. INSTALLATION **3**
4. DISPOSAL INSTRUCTIONS **4**
5. INDEX **4**

Products features as described above do not bind the manufecturer and may be modified without prior notice.

EL.MO. SpA Via Pontarola, 70 - 35011 Campodarsego (PD) - Italy
Tel. +390499203333 (R.A.) - Fax +390499200306 - Help desk +390499200426 - www.elmospa.com - info@elmospa.com